

## Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

### Listing of Claims:

Claims 1-5 (Canceled).

6. (Currently amended). A ~~non-human~~ transgenic ~~mouse~~ animal comprising a homozygous disruption in a Kir5.1 gene, said mouse having one or more of the following phenotypes relative to a wild-type mouse: anxiety, dwarfism, decreased body size, decreased body weight or decreased spleen weight.

Claim 7 (Canceled).

8. A cell derived from the transgenic mouse of claim ~~7~~6.

Claims 9-15 (Canceled).

16. (Currently amended). ~~The~~A transgenic mouse of claim 6 ~~comprising a disruption in a Kir5.1 gene,~~ wherein the transgenic mouse further exhibits increased startle response, relative to a wild-type control mouse.
17. (Currently amended). The transgenic mouse of claim ~~4~~6, wherein the phenotype is ~~transgenic mouse exhibits increased anxiety, relative to a wild-type control mouse.~~
18. (Currently amended). The transgenic mouse of claim ~~4~~6, wherein the transgenic mouse further exhibits a stimulus processing disorder.
19. (Currently amended). ~~The~~A transgenic ~~mouse~~ mouse of claim 6 ~~comprising a disruption in a Kir5.1 gene,~~ wherein the transgenic mouse further exhibits a growth disorder.
20. (Currently amended). The transgenic mouse of claim ~~4~~6, wherein the phenotype is ~~the growth disorder is~~ dwarfism.
21. (Currently amended). ~~A~~The transgenic mouse of claim 6 ~~comprising a disruption in a Kir5.1 gene,~~ wherein the phenotype is ~~transgenic mouse exhibits~~ decreased body weight, ~~relative to a wild-type control mouse.~~
22. (Currently amended). ~~A~~The transgenic mouse of claim 6 ~~comprising a disruption in a Kir5.1 gene,~~ wherein the transgenic mouse further exhibits a spleen abnormality.
23. (Currently amended). The transgenic mouse of claim ~~2~~6, wherein the phenotype is ~~spleen abnormality is~~ decreased spleen weight, ~~relative to a wild-type control mouse.~~

24. (Original). The transgenic mouse of claim 22, wherein the spleen abnormality is decreased spleen weight:body weight ratio, relative to a wild-type control mouse.

Claims 25-28 (Canceled).